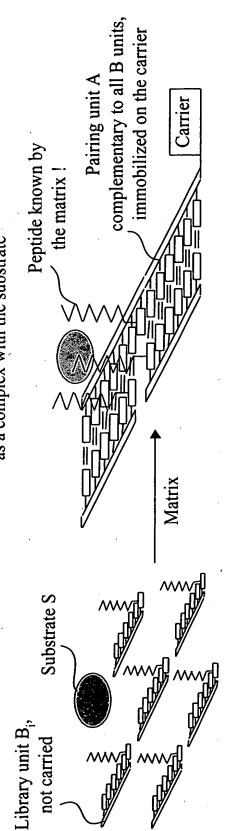
Binding pocket formed under thermodynamic or kinetic control as a complex with the substrate



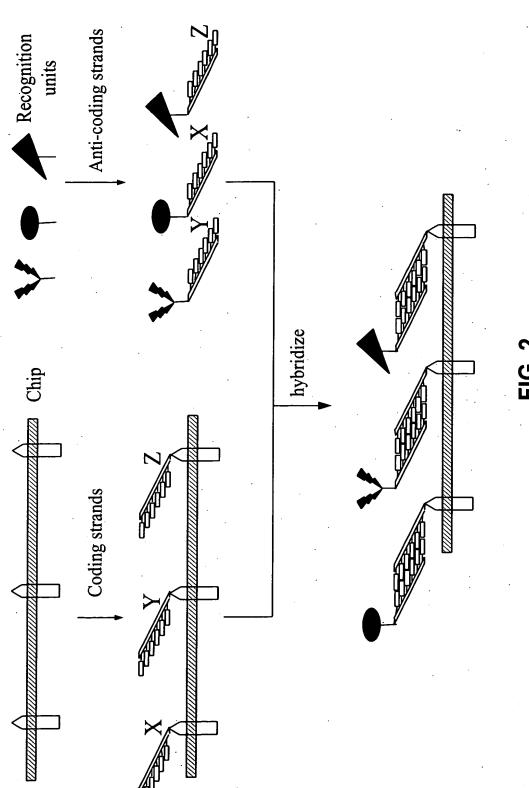


FIG. 2

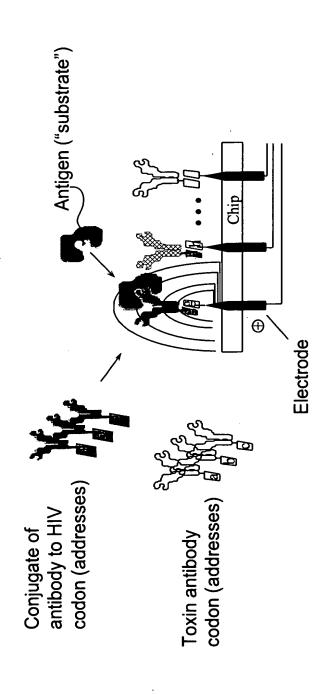


FIG. 3

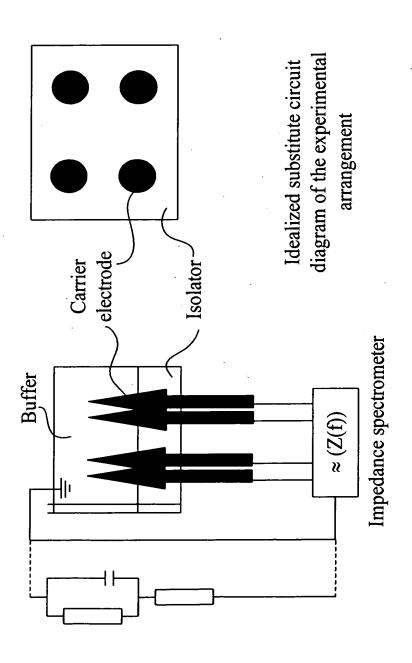
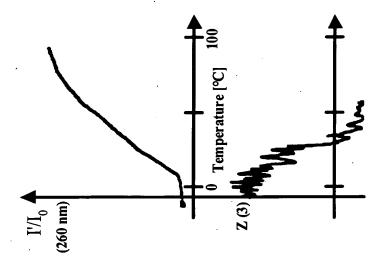


FIG. 4



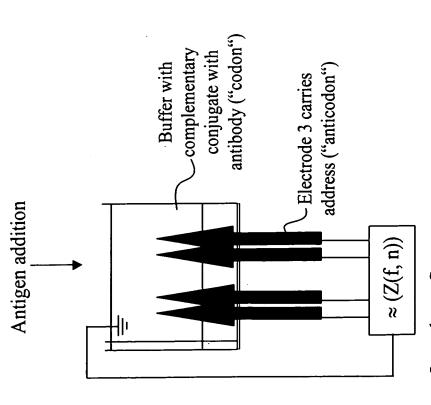
Buffer with complementary conjugate ("codon")

Electrode 3 carries address ("anticodon")



Impedance Spectrometer

 $\approx (Z(f,\,n))$



Impedance Spectrometer

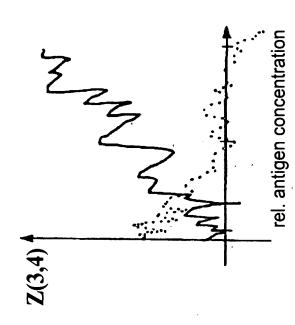


FIG. 6

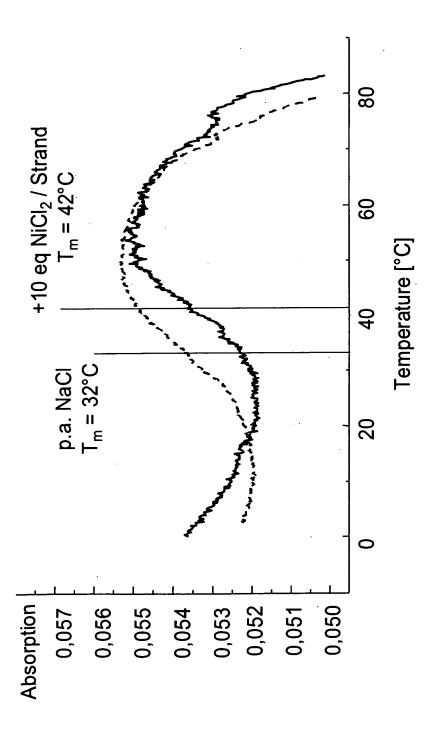


FIG. 7

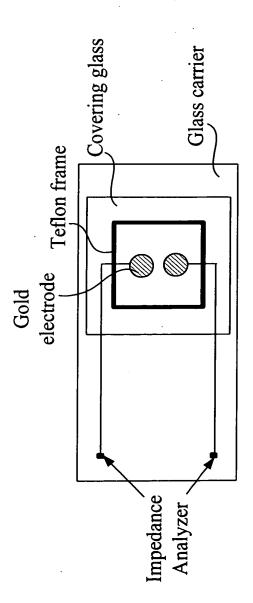
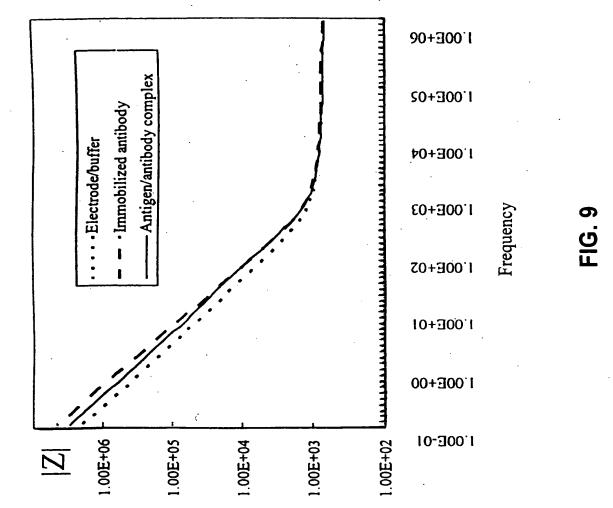
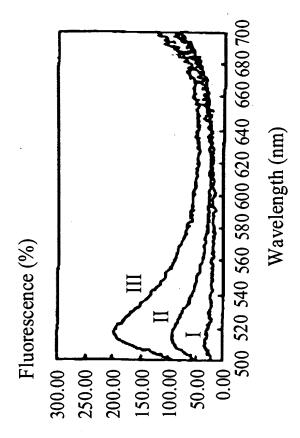


FIG. 8





I. Electrode surface without antigen

- II. Antigen solution
- II. Addressed electrode after antigen detection

FIG. 10